



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

SWA3-300
Job Sheet 201205



Part No: SWA3-300

Job Qty: 20 pcs *30 pcs*

Part Name: Wire Clamp



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/27/19

Job Tracking No:

Due Date: 10/31/19

Created By: Jennifer Renwick

Type: SOLD

Description:

Note: DWG SWA3-300 Rev 3 IPP Rev A 18.02.13 New issue DP verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	NV5000 - 1	20 pcs	10/31/19		0.50	10.00	NV5000 - 1		<i>J.E.L.</i>
							NV5000 - 2		
120	QC 2	20 pcs	10/31/19		0.00	0.00	QC 2 - 1		<i>J.E.L. (10-10-09)</i>
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com

Date: 10/03/19

Plex 9/27/19 8:39 AM Dart.Renwick.Jennifer

						QC 2 - 63	
						QC 2 - 8	
						QC 2 - 66	
						QC 2 - 64	
						QC 2 - 65	
						QC 2 - 5	
						QC 2 - 71	
						QC 2 - 73	
						QC 2 - 69	
						QC 8 - 12	
130 QC 8	20 pcs	10/31/19	0.00	0.00		QC 8 - 14	m 19/10/03
						QC 8 - 17	
						QC 8 - 20	
						QC 8 - 25	
						QC 8 - 3	
						QC 8 - 32	
						QC 8 - 33	
						QC 8 - 35	
						QC 8 - 39	
						QC 8 - 4	
						QC 8 - 44	
						QC 8 - 45	
						QC 8 - 49	
						QC 8 - 58	
						QC 8 - 8	
						QC 8 - 9	
						QC 8 - 68	
						QC 8 - 67	
						QC 8 - 1 (A)	
						QC 8 - 47	
						QC 8 - 40	
						QC 8 - 52	
						QC 8 - 23	
						QC 8 - 57	
						QC 8 - 76	
						QC 8 - 61	
150 Outsource - 4 - Anodize	20 pcs	10/31/19				ATG001-VC	5
160 Packaging 2-1 - Receive - B4B	20 pcs	10/31/19	0.00	0.00		Packaging 2 - 1 - B4B	2019-10-04
						Packaging 2 - 2 - B4B	
						Packaging 2 - 3 - B4B	
						Packaging 2 - 5 - B4B	
						Packaging 2 - 4 - B4B	
						Packaging 2 - 6 - B4B	
						Packaging 2 - 7 - B4B	
						Packaging 2 - 8 - B4B	
						Packaging 2 - 9 - B4B	
						Packaging 2 - 10 - B4B	
						Packaging 2 - 11 - B4B	
						Packaging 2 - 12 - B4B	
						Packaging 2 - 13 - B4B	

				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
170 QC 6	20 pcs	10/31/19	0.00 0.00	QC 6 - 9	DAS
				QC 6 - 68	OCT 23 2019 68
				QC 6 - 61	9-89
				QC 6 - 40	
				QC 6 - 81	
180 Packaging 3-1 - Stock - B4B	20 pcs	10/31/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	DAS
				Packaging 3 - 6 - B4B	28
				Packaging 3 - 7 - B4B	9-89
				Packaging 3 - 8 - B4B	
				Plex 9/27/19 8:39 AM Dart.Renwick.Jennifer	

				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
190 QC 21 - SA	20 pcs	10/31/19	0.00 0.00	QC 21 - SA - 21	B4B
				QC 21 - SA - 70	21
				QC 21 - SA - 53	9-99

OCT 2 5 2019

Part Op 110 - NV5000-1 (MORI SEIKI VERTICAL MACHINE #1) **Cut blank to 6.3" (1 blank makes 5 parts)** 1-Machine as per
 Descriptions: folio FC051 FOLIO REV: AA DWG REV: 3 3- Jaws for 2nd op are in #185 2-Deburr

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120 - (QC2- Inspect parts off machine FAI/FAIB)

130 - (QC8- Inspect parts - second check)

150 - (Outsource process-Anodize per QSI017 4.1.10.1) -Issue P/O to Groupe Atech: 44694 -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2, Water sealant -Certificate of Conformity is required

160 - (Receive & Inspect for Damage & Mat'l Certs)

170 - (QC6- All purchased or subcontracted products)

180 - (Identify as per dwg & Stock Location: _____)

190 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6B0.500X01.500	6061T6 Bar 0.500 X 1.500	2.1600 ft (.108 ea)	110-NV5000 - 1	<u>S180 491</u>

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-NV5000 - 1	M6061T6B0.500X01.500	2	7	0

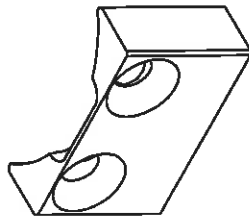
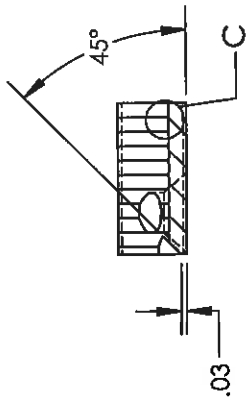
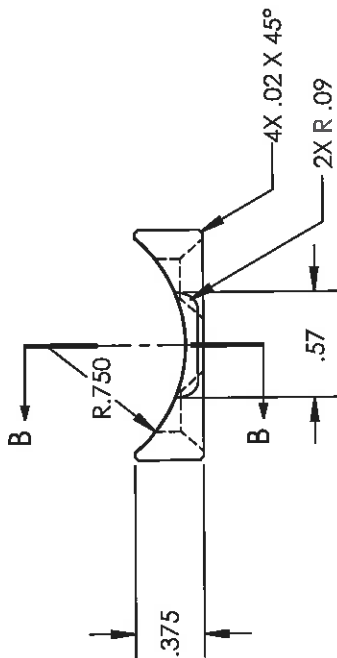
Part Specifications

Specifications could not be found.

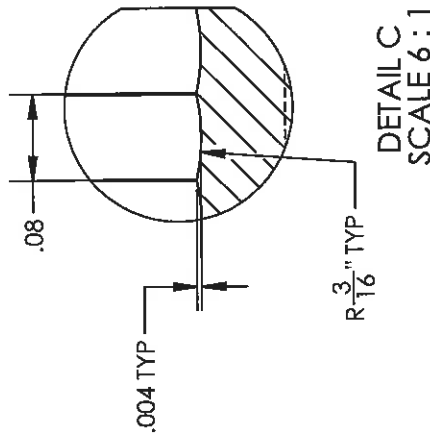
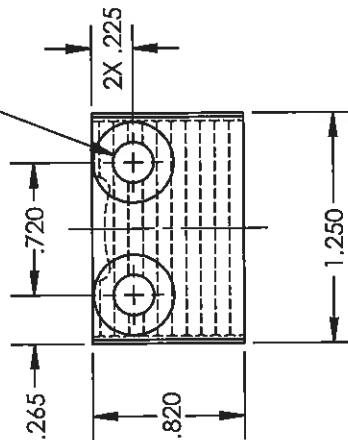
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3		09/02/12	JAG



2X ϕ .219 THRU ALL
 ϕ .436 X 82°



SHOP COPY
 RETURN TO
 ENGINEERING COPY
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 201205

RED BARN MACHINE			
WIRE CLAMP SWA3 SWIVEL			
DWG NO. SWA3-300		REV 3	
MATERIAL 6061-T6		DRAWN BY: CANAM	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED: D. Wall	
XXX ± .005		HEAT TREAT	
XX ± .01		FINISH	
X ± .1		BLACK ANODIZE	
1. BREAK ALL SHARP EDGES .015 X 45°		SPEC MIL-A-8825F, TYPE II, CLASS II	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL	
ASSY QTY	B/O	Part #	UNIT QTY
		SWA3-300	1
Description		Material	B/O INFORMATION OR SPECIFICATIONS
WIRE CLAMP		6061-T6	PG.
1/2 X 1 X 1-3/8		DATE 6/14/1997	
SCALE 1:1		SHEET 1 OF 1	

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only

NCR No. _____

Job: _____

Part No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐

DEPARTMENT/PROCESS

Cross tube ☐
Small Fab ☐
Finishing ☐
Skid-tube ☐
Machining ☐
Large Fab ☐
Eng. (Non-AW) ☐
Prod. Eng. Coord. ☐
Rec/Store/Packaging ☐
Engineering ☐
Water Jet ☐
Supplier ☐
Quality ☐

Date: _____

Sequence #: _____

QTY Affected: _____

MRB (QS1042)

Description Work Order Deviation

Disposition

Completed By

Lead hand / Supervisor

QC / QA Coordinator

Root Cause

Operator ☐
Manufacturing Process ☐
Equip/Tooling ☐
Handling/Preservation ☐
Material ☐
Product Improvement ☐
Process Improvement ☐
Human Factors ☐

FAULT CATEGORY

Pressure/Forced ☐
Bending ☐
Crushing ☐
Cracks ☐
Crimp/Kink/Ripple/Wave/Twist ☐
Marks/Chatter ☐
Mislabeled ☐
Contamination ☐
Misaligned/off center ☐
BOM/Route ☐
Broken/Damage/Defect ☐
Incomplete/Unclear Instructions ☐
Drill Holes ☐
Fit/Function ☐
Power Loss/Surge ☐
Folio/Program ☐
Grain Direction ☐
Weld ☐
Wrong Stock Pulled ☐
Out of Sequence ☐
Off-set/Set-up ☐

Positioned Wrong ☐
Outside Tolerance ☐
Drawing ☐
Finish ☐
Part Lost/Missing ☐
Misread ☐

Other/Details: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB044694**



Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044694

PO Date: 10/4/19

Due Date: 10/16/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pynt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	201036-A	RBW6522A00231-W142AJ-3T-3	RBW6522A00231-W142AJ-3T 5	Base Plate (Outsource process- Anodize per QSI017 4.1.10.1) -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL- A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	-	10/21/19	1 pcs	0 pcs	1 pcs	\$5.51/pcs	\$5.51
	201036				Firmed	-	10/22/19	5 pcs	0 pcs	5 pcs	\$5.51/pcs	\$27.55
Sub Total:								6	0	6		\$33.06
2	181397	647.1814	647.1800	Gusset LH : Various STC's ISSUE P/O: HARD ANODIZE, COLOR BLACK AS PER DWG.(SEE NOTE 2)	Firmed	-	10/16/19	16 pcs	0 pcs	16 pcs	\$8.76/pcs	\$140.16
3	201205	SWA3-300	SWA3-300 3	Wire Clamp (Outsource process- Anodize per QSI017 4.1.10.1) -Issue P/O -ANODIZE COLOR BLACK, PER IAW MIL- A-8625F TYPE 3 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	-	10/16/19	30 pcs	0 pcs	30 pcs	\$5.52/pcs	\$165.60



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PURCHASE ORDER **POHB044694**



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	199122	RBT18608-2	RBT18608 2A	Weldment -Issue P/O; -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	10/16/19	10 pcs	0 pcs	10 pcs	\$5.51/pcs	\$55.10
5	199132	RBW6522A00231-W142S-3T	RBW6522A00231-W142S-3T 2	Tail Rotor Gear Box/Mast Output Oil Seal Assembly Support Tool (Outsource process- Anodize per QSI017 4.1.10.1) -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Received	-	10/16/19	5 pcs	5 pcs	0 pcs	\$5.51/pcs	\$0.00
Grand Total:												\$393.92

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/21/19 1:53 PM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918812

Date: 21-Oct-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
1 ea	Part: RBW6522A00231-W142AJ-3T-3 Base Plate Black Anodize per MIL-A-8625F, Type II, Class2, Water Sealant .0004-.0010" (4 - 1 mils). Job: 26267 PO: POHB044694		Rev: 5 Line: 1
16 ea	Part: 647.1814 Gusset LH Hard Black Anodize per MIL-A-8625, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Batch/Lot#: 9731-F-J19 Job: 26268 PO: POHB044694		Rev: A Expiry Date: 06/20 Line: 2
30 each	Part: SWA3-300 Wire Clamp Anodize per MIL-A-8625F, Type II, Class2, Black, .0004-.0010" (4 - 1 mils). Water Sealant Job: 26269 PO: POHB044694		Rev: 3 Line: 3
5 ea	Part: RBW6522A00231-W142S-3T Tail Rotor Gear Box/Mast Outpu Black Anodize per MIL-A-8625F, Type II, Class2, Water Sealant .0004-.0010" (4 - 1 mils). Job: 26271 PO: POHB044694		Rev: 5 Line: 5
Made in Canada.			

RECEIVED

OCT 21 2019



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918812

Date: 21-Oct-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.		
	Date: <u>OCT 21 2019</u>		
	Certified Signature: <u></u>		
	Receiver Signature: _____		
	A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.		
	Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.		
Made in Canada.			



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 918815

Date: 21-Oct-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
10 each	Part: RBT18608-2 Weldment Anodize per MIL-A-8625F, Type II, Class2, Red, .0004-.0010" (.4 - 1 mils). Water Sealant Job: 26270 PO: POHB044694	Rev:	Line: 4
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>OCT 21 2019</u> Certified Signature: <u></u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
RECEIVED OCT 21 2019 DART AEROSPACE LTD.			

Made in Canada.